RRP – Remote 4-Relay Panel for use with Z-MAX Master Relay Panels

DESCRIPTION
The RRP (Remote Relay Panel) provides distributed switching of up to four 20 amp lighting circuits, enabling multiple units to be networked and controlled from a Z-MAX Master relay panel. With photocell, occupancy sensor and local switch inputs, RRP is an ideal solution for applications such as school classrooms, where daylight, occupancy sensors, local switching and central control scheduling are desired. Available as standard off the shelf with either 4, 20A relays or 4, 2-pole, 20A relays providing up to 8 remote controlled circuits.

RRP features the revolutionary, patent-pending Z-MAX switching circuit. Employed on the 120-277V standard relay model, the Z-MAX circuit closes relay contacts before they are energized, preventing arcing, pitting and associated wear. The result is an unprecedented 10,000,000 cycle life.

Designed in a compact 10” x 10” standard electrical enclosure, RRP is engineered to be contractor friendly, quick to install, and simple to network.

OPERATION
The RRP operates as a four 20 amp circuit relay cabinet with 4 analog inputs used in any combination of occupancy sensors, photocells and low-voltage switches. The unit is centrally controlled by a Z-MAX master cabinet. Any number of units may be networked together up to a maximum of 96 total relays.

FEATURES
• Network ready for up to 96 total relays
• USB Port for software updates and network configuration
• 120V/277V dual voltage standard
• 347V available
• Angled terminals for easy screwdriver access
• Completely removable interior, allowing the empty box to be roughed-in without risk of damaging components
• Clearly labeled Access points allowing installer to locate optimum knock-out locations
• Rated for 100% load capacity
• Handles in-rush currents in excess of 50 times load current
• Low Voltage Switch Inputs support Leviton Low Voltage Switches and GE style, ON/OFF with optional LED output

APPLICATIONS
• Remote, networked lighting control relays with local switching functions such as occupancy sensors, photo cells, manual switching and central control from a Z-MAX Lighting Management Panel
• Up to 24 RRP’s (96 total relays) provide Expandable Relay Control
• Low Voltage Control
• Site Lighting
• Daylight Harvesting
• 4-Circuit Occupancy Sensor Control

SPECIFICATION SUBMITTAL

JOB NAME: ____________________________

CATALOG NUMBERS: ___________________

Leviton Mfg. Co., Inc.
P.O. Box 2210 • Tualatin, Oregon 97062 • Phone: (503)404-5500 • Fax: (503)404-5600
Visit our Website at: www.lms.leviton.com
**Product Specifications**

**SPECIFICATIONS**

**Electrical:**
- Input Voltage: 120V/277V or 347V. All Voltages
- 50/60Hz Phase to Neutral
- Non-Volatile Lifetime memory

**Physical**
- Size: 10"W x 10"H x 4"D
- Color: Blue

**Environmental**
- Operating Temperature Range: 0°C to +40°C
- Storage Temperature Range: -10°C to +70°C

**Warranty**
- 10 Year Warranty

**Input:**
- (4) General Switch Inputs which can be:
  - Leviton Low Voltage Switches
  - 3 or 4 wire switch (GE Style, ON-OFF with optional LED output)
  - Momentary Switches
  - Maintained Switches
  - Timed Inputs
  - Occupancy Sensor
  - Photocell

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat. No.</th>
<th>Rating</th>
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<tbody>
<tr>
<td>Remote Relay Panel with 4, Single Pole 20 Amp Relays for use with Z-MAX</td>
<td>re4sd-104</td>
<td>20A per relay</td>
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<tr>
<td>Double Pole 20 Amp Relays for use with Z-MAX</td>
<td>re4sd-204</td>
<td>20A per relay</td>
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<tr>
<td>Remote Relay Panel with 4, Single Pole 20 Amp Relays for use with Z-MAX</td>
<td>re4sd-C04</td>
<td>20A per relay</td>
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**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>ra00-2sb</td>
<td>Low Voltage Switch Adapter, reduces required wire count of GE style switch</td>
</tr>
<tr>
<td>00lvs-01w</td>
<td>1 Button, Low Voltage Switch, White</td>
</tr>
<tr>
<td>00lvs-02w</td>
<td>2 Button, Low Voltage Switch, White</td>
</tr>
<tr>
<td>00lvs-03w</td>
<td>3 Button, Low Voltage Switch, White</td>
</tr>
<tr>
<td>00lvs-04w</td>
<td>4 Button, Low Voltage Switch, White</td>
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<tr>
<td>00lvs-05w</td>
<td>5 Button, Low Voltage Switch, White</td>
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<td>00lvs-06w</td>
<td>6 Button, Low Voltage Switch, White</td>
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<tr>
<td>00lvs-08w</td>
<td>8 Button, Low Voltage Switch, White</td>
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<tr>
<td>00lvs-10w</td>
<td>10 Button, Low Voltage Switch, White</td>
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<td>PCD4T-000</td>
<td>Outdoor 0-10V Photocell</td>
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<tr>
<td>PCND-000</td>
<td>Indoor 0-10V Photocell</td>
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<tr>
<td>PCTTR-000</td>
<td>Atrium 0-10V Photocell</td>
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<tr>
<td>PCSKY-000</td>
<td>Skylight 0-10V Photocell</td>
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</table>
Remote Relay Panel

TYPICAL INSTALLATION

LOW VOLTAGE SWITCHES UP TO FOUR INPUTS

INPUT CIRCUITS FROM ELECTRICAL PANEL

LOAD

DIMENSIONAL DRAWING

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NETWORK TOPOLOGY

All Master/Remote panels must be connected in a daisy-chained fashion. For example, please consider the illustrations below:

Category 5 or better wiring between cabinets

Operates on same Master/Remote network as 24 and 48 Remote Relay Panels.